

AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended)

A display unit comprising a light emitting portion being constituted of a number of integrated pixels, a plurality of which are arranged to constitute a display portion of a display device, comprising:

a light emitting portion for emitting a display light;

a memory portion for storing display characteristics information of said light emitting portion for each of said plurality of said display units and further storing a chromaticity conversion parameter obtained on the basis of each of said stored display characteristics information from said plurality of display units, said display characteristics information is continuously stored in said memory portion even after said chromaticity conversion parameter is obtained; and

a chromaticity converter portion receiving image data and said chromaticity conversion parameter, for converting chromaticity of said image data on the basis of said chromaticity conversion parameter; and

an operation portion receiving chromaticity range information on a predetermined chromaticity range including a chromaticity range common to said plurality of display units constituting said display portion and said display characteristics information, for obtaining said chromaticity conversion parameter on the basis of said chromaticity range information and said display characteristics information.

Claim 2. (Cancelled)

Claim 3. (Original)

The display unit according to claim 1, wherein

said light emitting portion is divided into a plurality of blocks, and

said information includes information on each of said plurality of blocks;

and

said chromaticity converter portion converts chromaticity of said image data for each of said blocks on the basis of said chromaticity conversion parameter for each of said plurality of blocks.

Claim 4. (Original)

The display unit according to claim 3, further comprising:

an operation portion receiving chromaticity range information on a predetermined chromaticity range including a chromaticity range common to said plurality of display units constituting said display portion and said display characteristics information on each of said plurality of blocks, for obtaining said chromaticity conversion parameter for each of said plurality of blocks on the basis of said chromaticity range information and said display characteristics information on each of said plurality of blocks.

Claim 5. (Original)

The display unit according to claim 1, further comprising:
a received-signal processing portion receiving a mixed signal in which a plurality of signals including said image data are mixed, for separating said mixed signal into said plurality of signals.

Claim 6. (Previously Presented)

A display control device for controlling display of a plurality of display units which are arranged to constitute a display portion of a display device,
each of said plurality of display units having a light emitting portion for emitting a display light and storing information including display characteristics information of said light emitting portion,
said display control device being provided outside said plurality of display units interactively communicably therewith, and
said display control device comprising:
a chromaticity range determination portion receiving said display characteristics information from each of said plurality of display units, for determining a predetermined chromaticity range including a chromaticity range common to said plurality of display units on the basis of all said display characteristics information.

Claim 7. (Original)

The display control device according to claim 6, further comprising:
an operation portion receiving chromaticity range information on said predetermined chromaticity range and said display characteristics information on each of said plurality of display units, for obtaining a chromaticity conversion parameter for each of said plurality of display units on the basis of said chromaticity range information and said display characteristics information.

Claim 8. (Original)

The display control device according to claim 6, wherein
said light emitting portion of each of said plurality of display units is divided into a plurality of blocks,

said information includes information on each of said plurality of blocks;
and

said chromaticity range determination portion determines a chromaticity range including a chromaticity range common to all said plurality of blocks of said plurality of display units as said predetermined chromaticity range on the basis of said display characteristics information of all said plurality of blocks.

Claim 9. (Original)

The display control device according to claim 8, further comprising:
an operation portion receiving chromaticity range information on said predetermined chromaticity range and said display characteristics information on each of said plurality of said blocks, for obtaining said chromaticity conversion parameter for each of said plurality of blocks on the basis of said chromaticity range information and said display characteristics information on each of said plurality of blocks.

Claim 10. (Previously Presented)

A display device, comprising:
a display portion constituted of a plurality of display units which are arranged;
a display control device provided outside said plurality of display units interactively communicably therewith, for controlling display of said plurality of display units; and
on operation portion,
wherein each of said plurality of display units comprises:
a light emitting portion for emitting a display light;
a memory portion for storing information including display characteristics information of said light emitting portion and a chromaticity conversion parameter obtained on the basis of said display characteristics information; and

a chromaticity converter portion receiving image data and said chromaticity conversion parameter, for converting chromaticity of said image data on the basis of said chromaticity conversion parameter;

said display control device comprises:

a chromaticity range determination portion receiving said display characteristics information from each of said plurality of display units, for determining a predetermined chromaticity range including a chromaticity range common to said plurality of display units on the basis of all said display characteristics information, and

said operation portion receives chromaticity range information on said predetermined chromaticity range and said display characteristics information on each of said plurality of display units, for obtaining said chromaticity conversion parameter for each of said plurality of display units on the basis of said chromaticity range information and said display characteristics information.

Claim 11. (Original)

The display device according to claim 10, wherein
said operation portion is provided inside said display control device, and
said display control device transmits said chromaticity conversion parameter obtained in said operation portion to corresponding one of said plurality of display units.

Claim 12. (Original)

The display device according to claim 11, wherein
said light emitting portion of each of said plurality of display units is divided
into a plurality of blocks,
said information includes information on each of said plurality of blocks,
said chromaticity converter portion of each of said plurality of display units
converts chromaticity of said image data for each of said blocks on the basis of
said chromaticity conversion parameter for each of said plurality of blocks,
said chromaticity range determination portion of said display control device
determines a chromaticity range including a chromaticity range common to all
said plurality of blocks of said plurality of display units as said predetermined
chromaticity range on the basis of said display characteristics information of all
said plurality of blocks, and
said operation portion provided inside said display control device receives
chromaticity range information on said predetermined chromaticity range and said
display characteristics information on each of said plurality of blocks, for
obtaining said chromaticity conversion parameter for each of said plurality of
blocks, on the basis of said chromaticity range information and said display
characteristics information on each of said plurality of blocks.

Claim 13. (Original)

The display device according to claim 10, wherein
said operation portion includes a plurality of operation portions,
each of said plurality of operation portions is provided inside said each of
said plurality of display units, and
said display control device transmits said chromaticity range information to
said each of said plurality of display units.

Claim 14. (Original)

The display device according to claim 13, wherein
said light emitting portion of each of said plurality of display units is divided
into a plurality of blocks,
said information includes information on each of said plurality of blocks,
said chromaticity converter portion of each of said plurality of display units
converts chromaticity of said image data for each of said blocks on the basis of
said chromaticity conversion parameter for each of said plurality of blocks,
said chromaticity range determination portion of said display control device
determines a chromaticity range including a chromaticity range common to all
said plurality of blocks of said plurality of display units as said predetermined
chromaticity range on the basis of said display characteristics information of all
said plurality of blocks, and

said operation portion provided inside each of said display units receives chromaticity range information on said predetermined chromaticity range and said display characteristics information on each of said plurality of blocks, for obtaining said chromaticity conversion parameter for each of said plurality of blocks on the basis of said chromaticity range information and said display characteristics information on each of said plurality of blocks.